



10/501692
DT03 Rec'd PCT/PTO 18 OCT 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. : 10/501,692 Customer No. 035811
Filed : July 15, 2004
PCT No. : PCT/US02/27936
PCT Filed : August 29, 2002
Inventors : Richard Smith-Carliss
: Frank S. Caruso
: Peter Crooks
: Kenneth J. Kellar
: Yingxian Xiao
Title : ANALGESICS AND METHODS
: OF USE
Docket: END041182PCTUS
Dated: October 15, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Sir:

Certificate of Mailing Under 37 CFR 1.8

For

Postcard

Information Disclosure Statement

Form PTO-1449 w/copy of 11 publications

Copy of International Search Report dated March 26, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date appearing below.

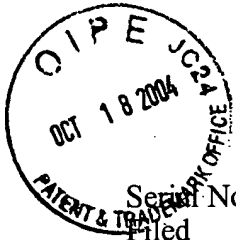
Name of Applicant, Assignee, Applicant's Attorney
or Registered Representative:

Piper Rudnick LLP
Customer No. 035811

By: 

Date: 15 OCT 2004

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Applicants submit herewith Form PTO-1449 together with a copy of the non-US publications listed therein. A copy of the International Search Report dated March 26, 2003 is also enclosed. The documents are submitted to comply with 37 C.F.R. §1.56 and are believed related to this application.

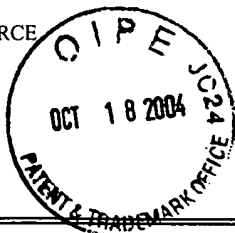
The Applicants respectfully requests that this Information Disclosure Statement be officially entered into the file of this case and that appropriate notification be made that it was considered by the Examiner.

Respectfully submitted,

T. Daniel Christenbury
Reg. No. 31,750
Attorney for Applicants

TDC:cc
(215) 656-3381

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE



ATTY. DOCKET NO.

END-04-1182-PCT-US

SERIAL NO.

10/501,692

APPLICANT Richard Smith-Carliss et al.

FILING DATE

07/15/04

GROUP

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL* | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|-----------------|----------|-------------------|-------|----------|-------------------------------|
| | AA | 3,149,123 | 09/15/64 | John F. Cavalla | | | |
| | AB | 4,005,103 | 01/25/77 | Jean-Marie Teulon | | | |
| | AC | | | | | | |
| | AD | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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| | | | | | | | YES | NO |
| | AL | 915456 | 01/16/63 | GB | | | | |
| | AM | 928007 | 06/06/63 | GB | | | | |
| | AN | 1401048 | 07/16/75 | GB | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | AR | J.F. Cavalla et al.; "Analgetics Based on the Pyrrolidine Ring", <u>J. Med. Chem.</u> Vol. 8, 1964 P 316-326 |
| | AS | Gorczyca, Maria et al, <u>Chemical Abstracts</u> , "Synthesis and pharmacological properties of 1,-3-substituted and 5-substituted 2-pyrrolidinones" <u>Polish Journal Of Pharmacology and Pharmacy</u> Vol. 91, no.11, 10 September 1979 |
| | AT | Poupaert et al, "Structure-Activity Relationships of Phenytoin-like Anticonvulsant drugs", <u>J. MED. Chem.</u> , vol. 27, 1984, pages 76-78 |

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | AR | Brace David et al, <u>Chemical Abstracts</u> , "Comparison of the inhibition of 5-hydroxytryptamine uptake by methadone and its congeners in human platelets", Vol. 86, No. 7 |
| | AS | Rhu X et al. "Synthesis and Analgesic Activity of Epibatidine Analogues" <u>Bioorganic & Medical Chemistry Letters</u> , vol. 6, no.3 pages 279-282, 02/06/96 |
| | AT | Tonder J E et al. "Agonists at the Alpha4Beta2 Nicotinic Acetylcholine Receptors: Structure-Activity relationships and Molecular Modelling" <u>Current Medicinal Chemistry</u> , vol. 8, May 2001. Pages 651-674 |

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|--|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | AR | Xiao Y et al., "Noncompetitive inhibition of rat alpha3/beta4 neuronal nicotinic acetylcholine receptor (nAChR) function by both enantiomers of methadone, A mu opioid receptor agonist" <u>Society For Neuroscience Abstracts</u> , vol. 25, no.1-2, 1999 page 1240 |
| | AS | Xio Yingxian et al. "Blockade of Rat alpha3eta4 Nicotinic Receptor Function by Methadone, its Metabolites, and Structural Analogs" <u>Journal Of Pharmacology And Experimental Therapeutics</u> , vol. 299 No. 1, October 2001, pages 366-371 |
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